

19970708.qrp qrp-por0.780
>From owner-qrp-l@Lehigh.EDU Mon Jul 7 18:04 CDT 1997
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
> by uro.theporch.com (8.8.7.Beta1/A-UX-3.1.1) with ESMTTP id SAA03542
> for <shimshon@uro.theporch.com>; Mon, 7 Jul 1997 18:04:14 -0500 (CDT)
>Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
> by sco.theporch.com (8.8.7.Beta1/SCO-5.0.2) with ESMTTP id XAA24267
> for <shimshon@theporch.com>; Mon, 7 Jul 1997 23:04:06 GMT
>Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
<35040-54818>; Mon, 7 Jul 1997 19:03:21 -0400
>Date: Mon, 7 Jul 1997 19:03:11 EDT
>Sender: owner-qrp-l@Lehigh.EDU
>Precedence: bulk
>From: qrp-l@Lehigh.EDU
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: QRP-L digest 780
>Mime-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
>Message-Id: <97Jul7.190321edt.35040-54818+124@fidoii.cc.Lehigh.EDU>
>Status: 0

QRP-L Digest 780

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- 2) [22605] Re: Another SLV born (it speaks!)
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- 3) [22606] OMNI 6 Metering Problem ... and drift
by Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>
- 4) [22607] Re: FS: Emtech NW40
by wd4nak@juno.com (CHARLES E HUX)
- 5) [22608] Century 21 Digital FT?
by David Smith <qrp-dave@ocsnet.net>
- 6) [22609] RE: "Renewal" batteries
by Ronald Hands <rhands@hwc.org>
- 7) [22610] Re: Another SLV born (it speaks!)
by Jess Gypin <jessqrp@concentric.net>
- 8) [22611] Radiation patterns for phased verticals
by Bob Roach <KE4QOK@worldnet.att.net>
- 9) [22612] More Iambic Paddle history
by wb8ygg@juno.com (Bradley S. Mitchell)
- 10) [22613] Re: Novice QRP Rig on 40 meters, are there any? Backpacker Xcvrs!
by K5BDZ@aol.com
- 11) [22614] Re: Radiation patterns for THREE phased verticals
by K5BDZ@aol.com

- 12) [22615] Perpetual motion LED
by Randy Hargenrader <randyh@harksystems.com>
- 13) [22616] pre-amp for frequency counter
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 14) [22617] Re: Shareware beamheadings?
by "S. Lee" <slee@u.washington.edu>
- 15) [22618] Re: gates cyclon batteries
by Sandy W5TVW <ebjr@worldnet.att.net>
- 16) [22619] Aruba QRP
by AE0Q V31RY <v31ry@ix.netcom.com>
- 17) [22620] RE: "Renewal" batteries
by dgf@netcom.com (David Feldman)
- 18) [22621] re: Renewal batteries
by Ed Rowan <ac5dc@gte.net>
- 19) [22622] Re: Roswell update, "Men In Black"
by WD6BOR@aol.com
- 20) [22623] VK wid gud ears on 20m
by Joe Gervais <vole@primenet.com>
- 21) [22624] Re: VK wid gud ears on 20m
by Joe Gervais <vole@primenet.com>
- 22) [22625] Thanks: ABX for Sierra
by cleveland@usa.net (Grover Cleveland)
- 23) [22626] Re: Renewal batteries
by Roger Hightower <n7kt@dancris.com>
- 24) [22627] Re: SST 30M de N3XRV (Q's and Observations - LONG)
by Raventhorne <jelder@ix.netcom.com>
- 25) [22628] Re: Internal power for the SST
by Raventhorne <jelder@ix.netcom.com>
- 26) [22629] Peanut Transmitter
by n4js@amsat.org (John Sielke)
- 27) [22630] \$8 Pixie 2 transceiver WORKS!! Not bad, either..
by Jim W7LS <w7ls@brigadoon.com>
- 28) [22631] More on Pixie 2
by Jim W7LS <w7ls@brigadoon.com>
- 29) [22632] Re: Dan's Small Parts Catalog
by k7sz@juno.com (Richard H. Arland)
- 30) [22633] NN1G QRV
by Bensondj@aol.com
- 31) [22634] QRO Waistline-Seattle
by jayboy@empnet.com (Jay & Jackie)
- 32) [22635] Roswell bust and apologies to W8TIM
by ptaber@microtest.com
- 33) [22636] 50/40/30 from WI!!
by Brian Cieslak <brianc@ams-i.com>
- 34) [22637] SW-40, FX-50, es Cascade unbuilt rigs for sale
by John Evans - N3Q00 <jaevans@codenet.net>
- 35) [22638] ant. coil, striping wire
by "Thomas J. Whalen" <whalen@swcp.com>

- 36) [22639] KPH, WCC et al
by Peter_Simpson@3com.com
- 37) [22640] Re: KPH, WCC et al
by "Matt Wright, AE4JM" <cnw@HiWAAY.net>
- 38) [22641] Pacificon Building Contest
by Bill Jones <kd7s@psnw.com>
- 39) [22642] installation Help - coax -
by "ukii" <ukii@megsinet.net>
- 40) [22643] Repair help needed: EMTECH NW40
by "Allan G. Taylor" <ataylor@midas.llnl.gov>
- 41) [22644] Re: Pacificon Building Contest
by Joe Gervais <vole@primenet.com>
- 42) [22645] NEW SA/SA MRK II
by "Steven Weber" <kd1jv@ncia.net>
- 43) [22646] Re: Thanks to WB8VGE
by George Gingell <k3tks@u1.abs.net>
- 44) [22647] Re: \$8 Pixie 2 transceiver WORKS!! Not bad, either..
by chunt@macromedia.com (Christian Hunt)
- 45) [22648] Re: KPH, WCC et al
by mdwatt@usit.net (Marty Watt)
- 46) [22649] FS: Argo 509 and Accessories
by ac5am@juno.com (Robert L Stolzle)
- 47) [22650] Log Book on WWW
by Brian Short <SHORTCKT@primenet.com>
- 48) [22651] POWER SUPPLY
by ARDUJENSKI@aol.com
- 49) [22652] Re: the Weber SA/SA MK2
by PDouglas12@aol.com
- 50) [22653] Spartan Sprint tonight 20m
by bcutter@teal.csn.net (Bob Cutter)
- 51) [22654] Re: Novice QRP Rig on 40 meters, are there any?
by Ed Loranger <we6w@qsl.net>
- 52) [22655] Help found for EMTECH NW40
by "Allan G. Taylor" <ataylor@midas.llnl.gov>
- 53) [22656] Mars mission web sites
by "Earl S. Mead" <k6esmead@pacbell.net>
- 54) [22657] Advance Training
by Brad Mugleston <bmug@gwl.com>

Date: Sun, 6 Jul 1997 16:59:50 -0600 (MDT)
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-l@Lehigh.EDU
Subject: [22604] Re: Portable logging computers
Message-ID: <199707062259.QAA03113@ns-1.csn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>To: bcutter@teal.csn.net
>Date: Sat, 5 Jul 1997 12:46:14 GMT
>Subject: Re: Portable logging computers
>References: <199707042012.0AA22235@ns-1.csn.net>
>X-Juno-Line-Breaks: 19-22,32-36
>From: k8cv@juno.com (Walt D Amos)
>X-UIDL: 868116611.047

>

>I am using a Texas Instruments 4000m which is a 486sx 25mh with a 8.3"
>color screen and have had it for 3 yrs or so. It is slow but reliable,
>the 120mb hard drive has been drivespaced up to 325mb and win95 made it
>run stuff faster but most contest stuff I still run on dos 7 for the
>keying. If you are a ssb person it would probably run better under win95.
>I paid \$2200 for it and it probably is worth \$500 today. You can get a
>Toshiba 200 cds for around \$1200 and it is a Pentium 100 with a 11.3"
>color screen and 810mb of hard drive and even a cd rom that is switchable
>and sound. Not the fastest pentium in town as no secondary cache but the
>price sure is good. Get a copy of computer shopper and a pad of paper and
>go through it page by page and write down all the configurations and
>prices and page numbers so you can find your way back and you will come
>up with something that is in your price range and has the most processor.
>There is one in the called Seiger of something and they sure seem to have
>a good laptop at a fair price but it is in the \$2000 range and that is
>more than I want to pay for ham laptop. I bought mine originally when I
>was going to the caribbean and used it for contesting down there. Yes,
>paper logs stink !! qsling is heaven now!! I used to sit and sort them on
>the living room floor as they came in by the box full. Bummer . I hate
>qsl's..... :-))

>

>If you were really inquiring about the programs.....

>

>I used CT ver 9.26 for years and am very familiar with it. It works for
>FD just fine. I use NA by K8CC for stuff that ct does not cover for years
>also. Just got started again with TR log and once I figured out how to
>set that darn thing up it seems to work even for qrp contests and runs
>very smooth. It is a pain in the butt to learn. I import all contest
>stuff into WJ20 logger and qsl out of that. I keep all my contest files
>on disk forever. I just switched from DXBASE logger to WJ20 as dxbase
>went sky high in price and I refuse to pay that much for ham programs. I
>had previously used WJ20 and got the latest version from Dave for \$12
>bucks, no that's my kind of upgrade.

>

>Walt K8CV

>

>We're just a small sub-group of an eclectic corner of a dying hobby.....

>

>

Date: Sun, 6 Jul 1997 19:14:32 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: <DavidE70@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22605] Re: Another SLV born (it speaks!)
Message-ID: <19970706231432.AAA5939@6626hvt5p091.se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>My SLV a la N0TFI now shows an SWR of 1.3 across the novice portion of
40m.
>Jess suggested I try the original SLV radial design (I'm using four of
them)
>instead of the 8 1/8-wave radials I started with

>(so much for the notion of many shorter radials working better.)

Hold on Dave. Are you implying that because the SWR is better with four
longer radials as opposed to eight shorter radials that your antenna's
efficiency is better? Just because the SWR is lower, doesn't mean the
efficiency is better. It's entirely possible that your antenna was more
efficient before you changed it to get a better SWR reading.

Four weeks ago, I used my SLV/W6MMA while camping. I noted that without
any radials, my SWR was 1.1:1. As I added radials, my SWR became worse.
However, I wasn't surprised....rather, I was happy that the SWR was
increasing. Finally, I settled on eight long radials of 25 feet (I was
operating on 40 meters). The SWR measured 2:1 and my received signal
strength kept getting better as I added more radials and my SWR became
worse.

What happened in the situation above was that the radiation resistance was
increasing while I added more radials. Efficiency increased because the
radiation resistance increases *even though the SWR went from 1.1:1 to
2:1.* A 50-ohm dummy load will show a 1:1 SWR too. How far does your
signal reach when terminated into a dummy load?

Be careful when using SWR as a performance objective. The SWR bridge
cannot discern radiation resistance from ground loss.

By the way while camping over the 4th, I installed a 350 pF air-variable

ceramic capacitor *at my SLV's base* while using so many radials. My SLV is relatively efficient, my SWR reads 1:1 and the Norcal 40A is happier.

-Paul, W9AC

Date: Sun, 06 Jul 1997 16:30:31 -0700
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>
To: qrp-1@Lehigh.EDU
Cc: paulc@mediaone.net
Subject: [22606] OMNI 6 Metering Problem ... and drift
Message-ID: <15867.868231831@safety.ics.uci.edu>

Interesting. My bottom cover came to me with many missing screws. I may go try to replace them now. Forgive my ignorance, but I do not know what you mean by press-on clips to make better connection with the back panel. Where do I find Telco Bridge Clips?

I just found another OMNI 6 (had to sell my last one - needed cash!) cheaply enough to grab, and have been cleaning and aligning and stuff. In setting the 10 MHz master oscillator, I find that it drifts over 100 Hz in an hour, after a few minutes warmup. I suspect the oven has a crack or the thermistor in there is defective or something. It is annoying me :-). Will call Ten Tec in the morning to see what they suggest, I suspect I should just replace the 10 MHz crystal / oven component on the control board.

Anyone see this one before?

Clark
WA3JPG

Date: Sun, 06 Jul 1997 19:52:03 EDT
From: wd4nak@juno.com (CHARLES E HUX)
To: jelder@ix.netcom.com
Cc: qrp-1@Lehigh.EDU
Subject: [22607] Re: FS: Emtech NW40
Message-ID: <19970706.194817.4367.3.wd4nak@juno.com>

You did not say how much for the EMTECH NW 40?????????

Charles wd4nak

Date: Sun, 06 Jul 1997 17:04:47 -0700
From: David Smith <qrp-dave@ocsnet.net>
To: QRP-L@Lehigh.EDU
Subject: [22608] Century 21 Digital FT?
Message-ID: <B0001173056@ntserv1.ocsnet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

While gazing at my radio station the other day, I determined that my TenTec Century 21 Digital just might be superfluous. I hate dealing with filthy lucre, but might. Would prefer to trade for other QRP gear. What d'ya have? Maybe you want the rig and have something that will tickle my fancy.
QRPDave@ocsnet.net

Date: Sun, 6 Jul 1997 20:05:21 -0400 (EDT)
From: Ronald Hands <rhands@hwcen.org>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [22609] RE: "Renewal" batteries
Message-ID:
<Pine.GS0.3.96.970706195844.18766A-1000000@james.freenet.hamilton.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I seem to remember that the instructions that came with my Renewal (Ray-o-vac) charger suggested these batteries should not be fully discharged -- in fact, that they respond well to frequent "topping up" of the charge.

So that seems to suggest that they do not have a memory effect, like nicads.

Haven't had mine long enough, or used them enough, to confirm this.

There's probably a Web site somewhere that provides definitive information...

-- Ron VE3SP
rhands@hwcen.org
aa753@hwcen.org

Date: Sun, 06 Jul 1997 18:19:20 -0600
From: Jess Gypin <jessqrp@concentric.net>
To: QRP-L@Lehigh.EDU
Subject: [22610] Re: Another SLV born (it speaks!)
Message-ID: <33C03608.7C57@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul Christensen wrote:

>
> >My SLV a la N0TFI now shows an SWR of 1.3 across the novice portion of
> 40m.
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> them)
> >instead of the 8 1/8-wave radials I started with
>
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> Hold on Dave. Are you implying that because the SWR is better with four
> longer radials as opposed to eight shorter radials that your antenna's
> efficiency is better? Just because the SWR is lower, doesn't mean the
> efficiency is better. It's entirely possible that your antenna was more
> efficient before you changed it to get a better SWR reading.
>
>
> -Paul, W9AC

I think that there is much debate of the vertical radial question and the only real proof is in the "putting" the thing on the air. I agree with you here, and (not but!) it depends entirely on the quality of the ground, where the antenna is mounted, how it is mounted, etc..In my experience, unless you are going for a permanent install, the more 1/4 wave radials, the better. With 1/4 wave radials over an unknown ground resistance, the better the happiness as a balance between SWR and "efficiency". I am not an antenna expert as many here on the list are. I know that I have tried the MMA/SLV and my version with random radials and 1/4 wave radials, and shortened radials. With the Autek RF-1 I am able to measure impedance as well as SWR and with the soil that I have found here at home and camping, the 1/4 wave radials not only make for a pretty efficient antenna, but the SWR makes my radio happy without having to carry an extra tuner. The "number of radials" debate can wage

on forever. I do know that in my experience that elevated radials work the best, and barring that, 1/4 wave radials work better than 1/8 wave. I had an 80 meter inverted L up and had 35-40 1/8 wave radials on it and the SWR at best was 2.5 to 1. At a test station 40 miles away, the best signal that I could give was S5. I removed the 1/8 wave radials and added only 3 1/4 wave radials. The received signal was now 10 over S9. Again, I am no expert, I just keep experimenting until I find something that works, while at least trying to follow all of the experts advise for the best kind and type of antennas while making them so they will fit and work in the real world. But, that is what this hobby is all about right? Please, let's not start the "120 radials is best" thread again, just a note on what worked for me. I hope that all out there will keep at trying to improve their antenna systems until they are the best that they can be. I have said it before, there is a difference between efficient and effective, but if the antenna that you have up is effective enough for you to make enough contacts to make you happy, then it is VERY EFFECTIVE, I don't care if it is two checker cabs fed with barb wire! ;-)

Best
Jess NOTFI

Date: Mon, 7 Jul 1997 00:22:47 +0000
From: Bob Roach <KE4QOK@worldnet.att.net>
To: qrp-1@Lehigh.EDU, tenten-1@Lehigh.EDU
Subject: [22611] Radiation patterns for phased verticals
Message-ID: <19970707002245.AAA22352@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I was wondering if anyone has the radiation patterns for three phased verticals. I have the patterns for two verticals in several books but have never seen the patterns for three.

(o o)

-----o00_()_00o-----
73 es TNX
KE4QOK Real radios glow in the dark.
Bob Power is no substitute for skill.
 If it stayed up last winter, it was too small.
136 Hermitage Rd.
Newport News, Va. 23606 KE4QOK@worldnet.att.net
(757)930-0348 Advanced, W5YI VE, ARRL, PARC

Date: Sun, 6 Jul 1997 20:38:00 -0400
From: wb8ygg@juno.com (Bradley S. Mitchell)
To: qrp-1@Lehigh.EDU
Subject: [22612] More Iambic Paddle history
Message-ID: <19970706.203839.10502.0.WB8YGG@juno.com>

Well, OK,
I've been told that the Hal T0 Keyer is not a bencher, but much better.
I was really asking about the Hal FY0 keyer.. Apparantly there is
another!

You have to realize , untill about 1975 or so, I did no hamming.
So all this historical stuff is great news to me!

So further research reveals a keyer
called the TY-1 and TY-1A.. Anybody have one of these?

The TY-1 is standard black wrinkle , and
the TY-1A is the chrome version..

Both made by Teletex of Illinois back in 1975
anyway... This Keyer looks IDENTICAL to the bencher.

I'll bet there is some relationship with the Bencher, Teletex,
and FY0..
The mechanism seems to appear out of nowhere, you know the spring with
the points
and round doohickey and all!
And then there are 3 companies in Illinois that have similar keys.

hmmm. Maybe there is a QST article lurking yet on this keyer.
Just some fun reading I've been doing while on vacation..
I'll crawl back to my hole because work starts tomorrow!

73 Brad WB8YGG

Date: Sun, 6 Jul 1997 21:07:02 -0400 (EDT)
From: K5BDZ@aol.com
To: jelder@ix.netcom.com, qrp-1@Lehigh.EDU

Subject: [22613] Re: Novice QRP Rig on 40 meters, are there any? Backpacker Xcvrs!

Message-ID: <970706210700_357523743@emout19.mail.aol.com>

If you can find a 40 meter transceiver called the Backpacker I or Backpacker II (made by Tejas RF Tech but discontinued over a year ago) these rigs will operate over a 200 KHz bandspread. A simple 2 or 3 part mod is available for increasing in power level from 1 aor 2 watts to 4.5 watts output. Contact me if you need info on band change parts if you find unit for other than 40 meters.

Bill K5BDZ
k5bdz@aol.com

Date: Sun, 6 Jul 1997 21:22:50 -0400 (EDT)
From: K5BDZ@aol.com
To: KE4QOK@worldnet.att.net, qrp-1@Lehigh.EDU
Subject: [22614] Re: Radiation patterns for THREE phased verticals
Message-ID: <970706212248_-359793109@emout09.mail.aol.com>

Yes, a couple of decades ago HyGain distributed a flyer (4 pages?) with the radiation patterns for TWO and THREE phased verticals. I used to pass out copies but my master copy is all tucked away in the warehouse now. Call, write, or e-mail Telex HyGain to see if they still have a copy. Let us all know the answer.

Good luck
Bill, K5BDZ k5bdz@aol.com

Date: Mon, 07 Jul 1997 02:13:18 -0400
From: Randy Hargenrader <randyh@harksystems.com>
To: qrp-1@Lehigh.EDU
Subject: [22615] Perpetual motion LED
Message-ID: <33C088FE.20BE@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey gang,
While putting a voltage regulator in a qrp radio project, I needed an 8 volt regulator and didnt have one. I knew that by putting diodes in the ground connection of

a three pin regulator you can raise the output voltage by the amount of drop provided by the diodes. To take this a bit further, a red LED will light at some pretty low current levels and provide a voltage drop of about 2 volts. So, by adding diodes in series, you can fine tune for the voltage output. The side benefit of this is that you can use the current that is flowing to ground from the regulator chip to light an LED. Free energy!

No full scale study here, just something I fell on to. This may not be suitable for high current regulators.

--

73, (Sir)Randy WJ4P

Knightlites QRP-L #296 ARCI #9152 1996 40-9er High Scorer

Date: Sun, 06 Jul 1997 21:23:54 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Subject: [22616] pre-amp for frequency counter
Message-ID: <2.2.32.19970707022354.0068653c@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi all,

i'm now i'm ready to align my ohr-100 40m, but my frequency counters are actually my MFJ antenna analyzer and dmm, neither of which is sensitive enough (the first point for reading frequencies is 0.28 V p-p, need > 1V p-p). i've been looking at different high-impedence rf pre-amplifier circuits, do any of you folks have any favorites for this type of application. need 10-20 dB gain, high input impedance, would like to be able to get to at least 12 MHz with 8-10 dB gain.

As an aside, i'm humbled. read about people putting in ic's backwards, or other such mistakes and always thought 'i could never do that, i go too slow to make that kind of mistake'. i did. my ohr100 was drawing way too much current to even begin alignment. took the board out, inspected for solder-bridges, scrubbed away any residual flux (kester 285, supposedly don't even have to). still 3-4 x too high. started probing with dvm and scope - huh, how come the supply voltage on the mc1350 at ic100 is 0 volts. oops - switched the 602 (ic100) and 1350 (ic101). sockets make placement mistakes so easy to do , and fix. receive current 53 mA - ok.

thanks in advance.

73,

--adam, n2brt
adam-kanis@uiowa.edu

Date: Sun, 6 Jul 1997 19:34:39 -0700 (PDT)
From: "S. Lee" <slee@u.washington.edu>
To: JFKluender@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22617] Re: Shareware beamheadings?
Message-ID: <Pine.A41.3.95b.970706185745.119976A-100000@homer19.u.washington.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

How about some hardware beamheadings??? There used to be an entity called the Defense Mapping Agency. One of the maps they produced was an Azimuthal Equidistant Projection. The one I have is for Seattle, WA. It's a circular map on a 30" tall by 24" wide rectangular sheet of paper. The originals were in color. What I acquired is a blue-line copy since the originals have been out of print for some time now. On this map Seattle is the center of the universe! The outer edge of the map is a 360 degree circle marked every degree and labeled every 10 degrees.

So I heard UA1ZA, Victor, calling from Murmansk, Russia last evening. (20 meters, 14.0136 MHz...man what a pile-up) Went to the map and located Murmansk. Bisected Seattle and Murmansk with the uh, logbook. Read the heading...10 degrees...Wow! Look at that...right over the North Pole!!! Can't see that in software. Plotting for the Midwest I deduced 0 degrees would have reached UA1ZA. The map read 2 degrees from Midwest with Seattle as center.

I got my map (it's map number 5181 but ask for it by name) from:

Captain's Nautical Supplies
Fisherman's Terminal
1723 W. Nickerson St.
Seattle, WA 98119
Phone: (206) 283-7242

Has anyone seen or know of Azimuthal Equidistant Projection maps for other cities??? Enjoy!!!

Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

Date: Mon, 7 Jul 1997 02:34:07 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>
To: John Dorson <jdorson@bbs.mpcs.com>, qrp-1@Lehigh.EDU
Subject: [22618] Re: gates cyclon batteries
Message-ID: <19970707023405.AAA1650@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:58 PM 7/6/97 +0000, you wrote:

>hi sandy. just read your post and am very interested in these gates cyclon
>batteres. i would love to have a 2.5 ah battery the size of a d cell.
>would you please tell me where i can get these and also what are the
>re-charging
>requirements...

>

>Thank You

Allied Electronics carries them. They go under the name of Hawker
Gates Cyclon batteries. The catalog number is: 221-2001 and they are \$6.27
each. They have a web site at www.allied.avnet.com.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: 860 tubes, WL-460 tubes

RK-34(VT-224) tubes, Butternut HF2V antenna

Date: Sun, 06 Jul 1997 21:18:08 -0600
From: AE0Q V31RY <v31ry@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [22619] Aruba QRP
Message-ID: <2.2.16.19970707031808.0bff45ba@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

0315Z 7-JUL-97, P43HK calling CQ QRP on 14.0605. Worked him with 5w to
attic dipole in Colorado.

73 -- Glenn

"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com --SOWP 5558-M, ARRL LM, QCWA LM, NCVA--
<http://www.qsl.net/ae0q>

Date: Sun, 6 Jul 1997 21:02:00 -0700
From: dgf@netcom.com (David Feldman)
To: qrp-l@Lehigh.EDU
Subject: [22620] RE: "Renewal" batteries
Message-ID: <199707070402.VAA20829@netcom5.netcom.com>

> My experience with "Renewal" batteries is a mixed bag. Some have
>given good

What I observed with renewals is that they are ****VERY**** poor at applications requiring medium- to high- discharge current (such as in a transmitter). This is somewhat confirmed by the rayovac OEM documentation. Anyway, discharging a cell at 0.1C is going to give much higher watt-hours than discharging the same cell at 1.0C - it is a very non-linear effect. Hence I don't use them in any service involving high or uneven discharge current.

> Just my two cents worth. Also Lithium battery packs have VERY long
>shelf
>lives and a lot of capacity for their size, although NOT rechargeable and
>expensive!

There are just beginning to emerge now rechargeable lithium cells. I've seen ads for them in "AA" size (about 3V, under 1 AH) but they're very expensive, have very poor cell-to-cell consistency (and hence aren't really useful in series strings), and are not available yet off the shelf. Still, with their high volumetric and weight power densities, I suspect they'll be refined and be available in the next year or so.

73 Dave WB0GAZ dgf@netcom.com

Date: Sun, 06 Jul 1997 23:43:42 -0500
From: Ed Rowan <ac5dc@gte.net>
To: qrp-l@Lehigh.EDU

Subject: [22621] re: Renewal batteries
Message-ID: <33C073FC.AE4EB4BD@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For what its worth, the following was copied from
<http://www.rayovac.com/ray.html>

Renewal batteries like to be charged.
The number of uses you will get from a
Renewal battery depends on how
frequently they are recharged.
Recharging before they are fully drained
will give you the maximum number of
cycles. Many consumers have had over
a hundred uses through frequent
charging!

I haven't used these batteries so can not say how well they
work. I have seen several articles saying they lose capacity
with each charging cycle. I assume from what Rayovac is saying,
it is not good for them to be completely discharged.

--

Ed Rowan
AC5DC -- ac5dc@qsl.net
<http://www.qsl.net/ac5dc>

Date: Mon, 7 Jul 1997 00:45:42 -0400 (EDT)
From: WD6BOR@aol.com
To: pharden@aoc.nrao.edu, qrp-1@Lehigh.EDU
Subject: [22622] Re: Roswell update, "Men In Black"
Message-ID: <970707004541_-1896443320@emout04.mail.aol.com>

In a message dated 97-07-04 08:13:44 EDT, pharden@aoc.nrao.edu (Paul Harden)
writes:

<< Just heard the crowds are starting to arrive in Roswell big time, the
network news trucks are arriving, etc. No doubt some local coverage of
it on your end. Full report monday. I don't even have a Star Trek
uniform to wear. Was thinking about showing up in a black suit, sun

glasses, whispering into my 2M handheld ... see if anyone gets nervous :-)
>>

Paul and the gang,

Just saw "Men in Black" with my brother-in-law last night and am glad to finally find out what has really been going on since Roswell. This alien gives it three thumbs up. My only gripe, no code a'la Independance Day (even though that was bous).

See you all in the next dimension,

Darrel (Dar-el in Kryptonese), WD6BOR

Date: Sun, 6 Jul 1997 21:49:05 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Cc: azqrp@dancris.com
Subject: [22623] VK wid gud ears on 20m
Message-ID: <199707070449.VAA23180@usr04.primenet.com>

Howdy Folks!

Just worked my first VK (wahoo!) and he's got good ears.
VK4XA is on around 14.025 (time is 0449Z), running 90w.
Happy happy joy joy! :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"I didn't spend all those years playing Dungeons and Dragons
without learning a little something about courage." -Nerd Guy, X-Files

Date: Sun, 6 Jul 1997 22:02:59 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Cc: azqrp@dancris.com
Subject: [22624] Re: VK wid gud ears on 20m
Message-ID: <199707070503.WAA23978@usr04.primenet.com>
Content-Type: text

Howdy again!

I wrote:

>

> Just worked my first VK (wahoo!) and he's got good ears.

> VK4XA is on around 14.025 (time is 0449Z), running 90w.

That should read: He was running 90w. I never operate QR0.
Don't own any rigs that could. My trusty Sierra and I were
loafing along at 2w. Can't wait to see the miles per watt!
Man, I *LOVE* this hobby. :-)

Happy Happy Joy Joy de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"I didn't spend all those years playing Dungeons and Dragons
without learning a little something about courage." -Nerd Guy, X-Files

Date: Sun, 6 Jul 1997 22:18:26 -0800
From: cleveland@usa.net (Grover Cleveland)
To: qrp-l@Lehigh.EDU
Subject: [22625] Thanks: ABX for Sierra
Message-ID: <v02130500afe63a7671f4@[205.139.74.227]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Got it! Thanks to all it is working just fine.

Grover
K7TP

Date: Sun, 06 Jul 1997 22:24:07 -0700
From: Roger Hightower <n7kt@dancris.com>
To: qrp-l@Lehigh.EDU
Subject: [22626] Re: Renewal batteries
Message-ID: <33C07D77.6559@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I've been using these for a couple of years in a digital camera and my Yaesu HT. Just replace them when the "low bat" indicator is on and put the old ones back in the charger. Haven't tried them for a QRP rig, but the HT at 5 W works fine.

--

72/73 de Roger N7KT n7kt@dancris.com Mesa, AZ Grid DM43cj
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383
AK-QRP 167

Date: Mon, 7 Jul 1997 01:07:38 -0500 (CDT)
From: Raventhorne <jelder@ix.netcom.com>
To: adams@chuck.dallas.sgi.com, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [22627] Re: SST 30M de N3XRV (Q's and Observations - LONG)
Message-ID: <2.2.16.19970706230704.28cf4b20@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:24 PM 6/20/1997 +0100, Chuck Adams wrote:

>This comes up at a good time in the discussion as in a few
>weeks I will be on Santa Catalina Island just west of San Diego. Someone
>who knows all the IOTA numbers can tell me the number and is it worth
>the effort for me to get on the air?

Santa Catalina is W. of Long Beach & Los Angeles . . . quite a bit further
north than San Diego. My recollection is that it's in the top 20% of most
wanted islands, but I could have misremembered that.

72,

John

@~~~

@ John Elder, Ko6TS
@ PHROG (Pagan Ham Radio Operators' Guild)
@ Box 232, El Segundo, CA 90245
@ Mike Tyson shouldn't have started his apology speech with:
@ "Friends, countrymen, lend me your ears . . ."

Date: Mon, 7 Jul 1997 01:07:05 -0500 (CDT)
From: Raventhorne <jelder@ix.netcom.com>
To: ccart@dns.vidtel.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22628] Re: Internal power for the SST
Message-ID: <2.2.16.19970706230658.2097a7ba@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:29 AM 6/17/1997 -0400, Chris Cartwright wrote:

>Radio Shack has 4V 500mA lead acid batteries for Sony phones. They're
>about 1.5"x2".0.5", and yes three of them will *just* fit in the SST. I'm
>not sure I'll be able to get the KC-1 in there too, but I'll try :)
>WARNING: These little gems are \$17 each, so if your not serious about
>"all-in-one" radios the money is better spent on a "big" (7ah) Yasua or
>something.

I wonder if you could rig three of these in series & charge up a fourth with
a small solar panel with 4.5 V output? About a third the size of the 12 V
panel, I'd expect . . .

72,

John

@~~~

@ John Elder, Ko6TS
@ PHROG (Pagan Ham Radio Operators' Guild)
@ Box 232, El Segundo, CA 90245
@ Mike Tyson shouldn't have started his apology speech with:
@ "Friends, countrymen, lend me your ears . . ."

Date: Mon, 07 Jul 1997 06:20:20 GMT
From: n4js@amsat.org (John Sielke)
To: qrp-l@Lehigh.EDU
Subject: [22629] Peanut Transmitter
Message-ID: <33c089e8.15143108@mail.cyberenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

You might want to look at <http://www.glr.com/peanut>. That little
transmitter looks like a good mate for the CQrp MRX-40 Receiver. For
\$23.95 shipped, I'll give it a try, anyway.=20

```

_ _ _ _ _      _ _ _ _ _      John L. Sielke n4js@amsat.org n4js@pobox.com
| \ | _ | _ | _ | _ | / _ _ | n4js@n4js.ampr.org NJ Grid:FM29LN
| . ` | _ | _ || | | | \ _ _ \ http://www.qsl.net/n4js
| _ | \ _ | _ | _ \ _ _ / | _ _ / NJ-QRP #57 QRP-L #884 QRP-ARCI #9328
NE-QRP #507 G-QRP #9544 NorCal #1989 CQC CQRP QCWA FISTS #2781

```

Hi. As promised, here is the report on the Pixie 2 transceiver.

It is small. About the size of a 9v battery. Very few parts. The schematic is on the webd. Don't remember where. Simple search for "Pixie 2" will find it easily.

Power out is about a quarter of a watt. Probably depends on the transistor selected. Uses 2N3904 for oscillator and another one for the amp.

Sensitivity, as measured on my AN/URM-25 military signal generator is as follows: signals down to 0.1 microvolt are detectable to my ear. I have a standard issue ear. Comfy copy at one microvolt.

Sensitivity as measured by the "quick and dirty" method is as follows: Hook it all up (all??) and touch the antenna to the terminal. You heard nothing but white fuzz from the audio amp (very little, actually) until the antenna was touched to the terminal. Then you hear the static background noise. Ok, we can hear the HF noise floor. That means that it is producing about as much sensitivity as you can use. Background noise is running a microvolt or so out here in the sticks with my low antennas. That agrees, roughly.

Current drain is 10 mA on receive and 90 mA on transmit using a standard 9v battery.

On air results: Called friends who live at 3 miles, 16 miles, and 21 miles. All could hear me acceptably well. I can hear them just fine. Antenna was a dumb, random piece of wire, 50 or 60 feet long, hanging out the back of a steel building, ten feet up (max), and a tuner to make it look like 50 ohms.

Potential problems: Since it is a direct conversion receiver, it is susceptible to any and all loud signals, at least theoretically. I have not heard a single broadcaster or qrp ham at any time. Ok, ok, I live in the sticks :-), but I'm not hearing the problems that others have mentioned.

Dunno why.

One look at the schematic and you will be confused. It looks like a two transistor oscillator / amplifier transmitter that someone just tacked an audio amp to for laughs. The trick is that the final amp (final? How about ONLY?) is also used as a mixer for the receiver. Clever.....

You will swear that it can't work, but yea verily, it does. Now, it might NOT work anywhere near a broadcast station. Dunno.

Active Electronics in Bellevue, WA, and other places, stocks a 3.6864 MHz crystal that is the micro-size for a buck and a quarter.

Instructions are fair, but ambiguous in some places. Ok for a medium-veteran kit builder, but a rank beginner will burn parts, likely.

No coils of any kind to wind. BRAVO!

Anyone else fiddling with these?

73 de Jim, W7LS

Date: Mon, 7 Jul 1997 00:45:29 -0700 (PDT)
From: Jim W7LS <w7ls@brigadoon.com>
To: qrp-1@Lehigh.EDU
Subject: [22631] More on Pixie 2
Message-ID: <199707070745.AAA19216@siskiyou.brigadoon.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Typo in the previous message. I meant to say that I have not heard and QRO hams, not qrp hams. That means that the direct conversion receiver section is not being overridden by strong signals.

73... Jim, W7LS

Date: Thu, 3 Jul 1997 21:25:14 utc
From: k7sz@juno.com (Richard H. Arland)
To: jelder@ix.netcom.com
Cc: qrp-1@Lehigh.EDU
Subject: [22632] Re: Dan's Small Parts Catalog
Message-ID: <19970704.125008.10287.0.k7sz@juno.com>

On Sun, 6 Jul 1997 13:35:39 -0500 (CDT) Raventhorne

<jelder@ix.netcom.com> writes:

>At 07:53 PM 6/16/1997 +0100, Chuck Adams wrote:

>Dan only stays in business if we order from him. He depends on us & we are well >served when he supplies rare/obscure/hard to find.

Amen! A little concern on our part keeps our hobby healthy and growing.

73 rich K7SZ

Date: Mon, 7 Jul 1997 08:23:10 -0400 (EDT)

From: Bensondj@aol.com

To: qrp-l@Lehigh.EDU

Subject: [22633] NN1G QRV

Message-ID: <970707082308_-760600660@emout12.mail.aol.com>

Hi gang-

I just got back from a week in eastern Kentucky- I was a crew leader for our church's participation in the Appalachian Service Project- like 'Habitat for Humanity' but for a week. All in all, a fascinating and worthwhile experience, and very satisfying to be able to fix at least a little piece of the world. (And I've got to admit that I'm ready to watch 'My Cousin Vinny' again.)

And now back to our regularly scheduled programming- my wife acknowledged e-mail while I was gone, but couldn't answer most of the questions. If you've written to me- thanks for your patience, and I'll get back to you as soon as possible.

73, Dave Benson- NN1G

- 'We're famous for our mud' -

Date: Mon, 7 Jul 1997 06:11:36 -0700 (PDT)

From: jayboy@empnet.com (Jay & Jackie)

To: QRP-L@Lehigh.EDU

Subject: [22634] QRO Waistline-Seattle

Message-ID: <199707071311.GAA17472@empnet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Thanks to all who suggested great eats in Seattle...We took your advice and

had a great time, great fish, and great weather.....Also got an airline bump. Can't ask for more than that! Now we can afford to go back.

73, Jay W6JDB/7 (Blimped in Bend)

Date: Mon, 07 Jul 97 09:24:59 -0700
From: ptaber@microtest.com
To: <qrp-1@Lehigh.EDU>
Subject: [22635] Roswell bust and apologies to W8TIM
Message-ID: <9707078682.AA868282124@mtsmtpgate.microtest.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

You know, I normally have to stick a Southwest filter on my rig to keep out the TX/AZ stations that seem to have a direct connection to my house. But try and find a Southwest station and they scatter like pigeons in a wood chipper.... I'll never get that QSL from Jay.

About sunset local, though, I did hear a gangbuster signal coming from W8TIM/QRP. I called, he responded, propagation collapsed. I did manage to copy that he was using a 38 special (so I'm guessing he's on the list) and he was somewhere "near Detroit." By the second over it was impossible to copy though I could tell he was sending. When I thought he might have turned it back I sent 73/dit dit and signed. Sorry.

But I did make a discovery about why high-priced radios have semi-QSK as well as QSK. Sending into high noise messes up the feedback loop between ear and hand and my keying started to fall apart. (I have no excuses -- I was using a cruddy old J-38 that I love, it was all me.) I think I'll see if I can retrofit a receiver disable into my Explorer II. It can't be that hard, right?

>>>==>PStJTT (KC1TD)

--
Patrick Taber
Principal Software Engineer
Microtest, Inc
22 Cotton Rd
Nashua NH 03063

ptaber@microtest.com
voice: (603)880-0300
fax: (603)880-7229

no chain letters, flames or unsolicited e-mail offers, please

Date: Mon, 7 Jul 1997 08:49:53 -0500
From: Brian Cieslak <brianc@ams-i.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [22636] 50/40/30 from WI!!
Message-ID: <c=US%a=_%p=Adaptive_Micro_S%l=AMS-I_SERVER_-970707134953Z-4700@ams-i-server-1.ams-i.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello All,

I will be on Tuesday night, July 8 (local date)
from Waterford.Wisconsin

1900-2100 CDT (0000-0200 UTC, WED., July 9) at
10.115 +/-

2100-2300 CDT (0200-0400 UTC, Wed., July 9) at
7.037 +/-

I will call CQ WAS QRP de AE9K. Exchange CALLSIGN, RST,
SPC, NAME, and POWER.

Hope to work you then.

73, Brian AE9K

Date: Mon, 07 Jul 1997 07:54:00 -0600
From: John Evans - N3Q00 <jaevans@codenet.net>
To: qrp-l@Lehigh.EDU
Subject: [22637] SW-40, FX-50, es Cascade unbuilt rigs for sale
Message-ID: <33C0F4F8.2544@codenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings,

Time to do some late spring? cleaning.

Unbuilt NN1G SW-40 kit with RIT circuit. Circa 1994 rev board with all parts and optional RIT kit - \$55.00 shipped.

Unbuilt Norcal Cascade 75m/20m SSB transceiver - \$155.00 shipped.

73/72 de n3qoo - john

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

There has been much discussion on pvc coils, so I thought I would tell you about my version. Most of us don't have a lathe and the question arises about how to keep the turns straight on the form. What I do is very similar to Bill, K5TZY except I paralel an equal length of 150 lb. test monofilament line with the bare # 14 wire. When your done you have a nicely spaced coil and you can't see the mono. I made a 160 meter mobile coil this way on 4 in. pvc and it looks real nice.

Next time you get that # 14 tw wire at you local hardware store and need to get the insulation off do the following: Put one end in the vise. Tie other end to door handle on car or the mailbox. Start at one end with a

utility razor knife and just start pulling the blade down the wire. One can strip about 50 feet of wire in about 5 min. 72, and good qrping! Tom WB5QYT

Date: Mon, 7 Jul 1997 07:26:46 -0600
From: Peter_Simpson@3com.com
To: qrp-l@Lehigh.EDU
Subject: [22639] KPH, WCC et al
Message-ID: <062564CD.00494069.00@hqoutbound.ops.3com.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii

The two stations named above APPEAR to be still in business.
At least, Globe Wireless' web page says they're part of their
"CW Super-Station". For details, see:
<http://www.globewireless.com/STATIONS/CWSS.HTM>

Peter, KA1AXY

Date: Mon, 7 Jul 1997 10:36:47 -0500 (CDT)
From: "Matt Wright, AE4JM" <cnw@HiWAAAY.net>
To: Peter_Simpson@3com.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22640] Re: KPH, WCC et al
Message-ID: <Pine.OSF.3.94.970707101651.17578C-1000000@fly.HiWAAAY.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hey Peter and Gang,

I have been listening to the discussion of KPH, WCC, etc. I got a little interested and thought that I'd like to do a little bit of shortwave listening one day and see if I could here any of these stations mentioned.

I was flipping around on the TV, nothing on good to watch, I think tennis was on-no other sports were on, and I was watching PBS. There was a

program on there called Pole to Pole. There was a guy that did broadcasts of himself traveling from the North Pole to the South Pole and traveling everywhere between.

Well, in order to get to the south pole safely there had to be a way to check for the weather in the Antarctic, none other than radio. So, I thought that was pretty neat, they were using what appeared to be amateur radios? or close in resemblance and I think that they were maybe using satellites and maybe a phone patch because the guide of the show made contact with his wife and told her what was up. So, what I'm wandering is what frequency this satellite operates on, what is the name of the satellite, what frequency the station in the Antarctic listens to, what are some good frequencies to listen to coast guards on hf, maritime mobile rescues and things like this. Now, how is this QRP?, I guess they're running QRP right?

Here are some stations that I copied while listening from the upper side of the AM band, around 2 mhz, up to about 5 mhz.

Frequ.	Call if any copied	comments
4.213.00	WLO	CW and Data
4.210.50	WNU	" " "
4.146.00		USB, Two people talking back and forth, apparently having some sort of problem.
4.131.00		USB, station talking, couldn't make it out.
4.212.00	WLC	CW, Data
4.212.50	FFT	CW, Data
4.217.70	WLO	CW, Data
4.440.00		AM, vr weak voice in back ground, steady long horn sound.
4.703.50		CW, sends constantly-
18.160	W1AW	Odd, I heard the W1AW beacon on around 0150Z just ending TX, was the DX bulletin I think

Here are some interesting things also:

On 4.275.00 CW at 0137Z:

VVV VVV VVV CQ CQ CQ DE HPP HPP HPP BT QRJ? QRJ? OBS QSW 500 KHZ 4.175 KHZ
8.589 KHZ 12.699 KHZ AND RTY Channel? 1208 1233 All AM VR MSG is WIH?
QST\AL

This isn't all correct, noise level and static crashes were horrible.

On 4.310.00 CW:

CQ CQ CQ DE WNU41 WNU41 WNU41 QSX MHZ OBS?

On 4.331.00 CW:
CQ DE WCC WCC WCC QSO 46812 1622 MHZ K

Does anyone have any info on any of the beacons, calls, or freq for any of the above or how I might listen to TX from Antarctica or from \MM stations?

Thanks,
Best 72/73 DE
Matt, AE4JM

--
JCARC-ARCI 9178-ARRL-ARRL ORS-Ten Ten 66932-VP 2855-WAS
Matt Wright, ph.(205)228-6547 packet:AE4JM@K4BFT.#HSV.AL.USA.NA
<http://fly.hiwaay.net/~cnw> email: cnw@hiwaay.net
Rigs built: Ramsey rcvr 40m NC38S SW30-40 NC49'er NC40A/KC1 GM-20

Date: Mon, 07 Jul 1997 09:50:55 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@Lehigh.EDU
Subject: [22641] Pacificon Building Contest
Message-ID: <33C11E6F.5FD5@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends

Does anyone know whether there will be a (38 Special?) building contest scheduled for Pacificon this year. In the back of my mind I think I remember hearing that there will be, but with the understanding that any Dayton '97 entries would not be eligible.

Date: Mon, 7 Jul 1997 12:05:51 -0500
From: "ukii" <ukii@megsinet.net>
To: <qrp-1@Lehigh.EDU>
Subject: [22642] installation Help - coax -
Message-ID: <m0wlHEc-003to5C@megsinet.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello Gang.

I am in the process of remodeling my house and now am doing the "shack". I always ran the coax through the window but now I want all my coax to run inside the basement, up to the first floor shack. What are you using where you bring the coax into the house, and second, how are you bringing the coax up through the floor and out of a wall?

I was thinking about 2 or 3 inch PVC elbow with a piece of pipe running down into the basement and then just feed the lines through it???

Also, when the coax enters the house I was thinking about a dryer vent?

What do you say???

Please, any advice would be greatly appreciated.

Thanks much

John

n9ukx

*** Pursuant to qrPENAL code Section 7 Article 3 ***
"Failure to use a Code Sending device on a regular
basis may result in an IMMEDIATE FORFEITURE of
the Morse Code Portions of the Bands"

Date: Mon, 7 Jul 1997 10:47:05 -0700 (PDT)
From: "Allan G. Taylor" <ataylor@midas.llnl.gov>
To: qrp-l@Lehigh.EDU
Subject: [22643] Repair help needed: EMTECH NW40
Message-ID: <199707071747.KAA26043@midas.llnl.gov>

Help, guys!

I recently purchased and then resold an EMTECH NW40 xcvr. The new owner emailed me saying that it doesn't work. neither of us is in a position to debug it. Would someone out there volunteer to do this. The new owner, K0EVZ, is with the use of only one arm and has no test eqpt. I have no time or eqpt and the rig is in MN!! I will, of course, cover shipping both ways as well as some compensation for your effort. I never quite got the little rig on the air myself. Ran out of time reworking the station console and antenna minifarm.

I do hope to get the replacement rig (a NC40A) on by this fall ! Life gets busy.

Grant K7GT k7gt@qsl.net

Date: Mon, 7 Jul 1997 10:54:26 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [22644] Re: Pacificon Building Contest
Message-ID: <199707071754.KAA01147@usr04.primenet.com>

Bill (KD7S) wrote:

>
> Friends

Romans, Countrymen... :)

> Does anyone know whether there will be a (38 Special?) building contest
> scheduled for Pacificon this year.

Hope so, or at least something similar, since I'm going
to try to be there. Actually I've always thought it would
be fun (and quick) to have a toroid winding contest.
Wind 3 different varieties of toroid (small core, #28 wire,
lots of turns; small core, #28 wire, a few turns; etc.).

Winner is a combo of time to completion plus appearance.
And maybe actual inductance. :) Maybe separate categories?

Anyway, seemed like a way to entice non-builders to at
least give it a try, and possibly get them thinking about
building their own stuff. Anything to get 'em pondering
the possibilities....

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

Great Mysteries of TV #329:

Why didn't the Lost in Space crew just shove Dr. Smith out of
the airlock?

Date: Mon, 07 Jul 97 13:26:51 PDT
From: "Steven Weber" <kd1jv@ncia.net>

To: qrp-1@Lehigh.EDU
Subject: [22645] NEW SA/SA MRK II
Message-ID: <MAPI.Id.0016.0064316a762020203030303530303035@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: quoted-printable

Hi Gang,

Just finished a new, improved version of the Spectrum analyzer- Scope adapter. It's looking very good. Basic specs are, 1 to 100 Mhz range, 1 uv = MDS, 70 dB of dynamic range, 1st IF image 35 dB down. Max input with out = damage, 0 dBm. Adjustable freq sweep span and sweep start freq. dB scale = is 0.5 V per 10 dB and is very linear, +/- 2 dB.

This is a relatively simple device that connects to just about any O'scope and allows you to measure harmonics from HF transmitters and help trouble shoot or tune up RF circuits.

Like before, I'm willing to put together kits for this project. The cost = will be \$100.00 this time and would be ready in 6-8 weeks (the lead time = on the pc boards). Right now I'd just like to find out how many would be = interested in getting one. This version has the power supply built right = onto the pc board, including power transformer and is real easy to build = . The kit will include everything BUT a box to build it in, the input/out = put jacks (three BNC connectors recommended), line cord and a couple of = knobs.

Let me know if you would be interested in getting one of these or if you = need more info, and we can get the ball rolling.

TNX and 72,

Steve, KD1JV

PS, for those who built the original version, we can work out a deal for = a new pc board and the few new parts you need to up grade to this version = . You would need to recycle a number of the parts off of the original board.

Date: Mon, 7 Jul 1997 14:29:27 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: Mike Czuhajewski <wa8mcq@u1.abs.net>
Cc: Mike Bryce <73357.222@CompuServe.COM>, qrp forum <qrp-1@Lehigh.EDU>, gqrp-

l@blacksheep.org, ARCI Board -- byron Johnson <byron8lcz@aol.com>,
Dave Johnson <djohnson@acpub.duke.edu>, Hank Kohl <k8dd@contesting.com>,
kt3a@juno.com, Buck Switzer <n8cqa@tir.com>, rgob@tco.infonet.com,
Subject: [22646] Re: Thanks to WB8VGE
Message-ID: <Pine.BSI.3.93.970707142640.27662P-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I would just like to add My personal VOTE of appreciation for the fine
job that Mike Bryce, has done for all of us over the past several years.

I am sure that I can also speak for the remainder of the BOD of QRP ARCI
on this Vote.

72 ES

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
QRP ARCI Net Manager and Board of Director Member.

Date: Mon, 7 Jul 1997 11:44:37 -0700
From: chunt@macromedia.com (Christian Hunt)
To: qrp-l@Lehigh.EDU
Subject: [22647] Re: \$8 Pixie 2 transceiver WORKS!! Not bad, either..
Message-ID: <v02140b00afe6e7233ff5@[198.95.203.216]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> Anyone else fiddling with these?

I've been playing with one, but have never actually worked anybody with it.
Added the simple RIT, some other random stuff. My power output (not
accurate) seems to be only about 150mW not the 200-300mW other people are
getting. The receiver seems to be extremely sensitive though. On FD I
hooked it up on a whim and heard a bunch of superimposed morse. Really
pretty sounding, actually. :)

Anyways, I also live under Sutro Tower in SF, but don't get much HF QRM. Now
2m is a different story... :)

73, KF6IHU

Date: Mon, 07 Jul 1997 18:49:20 GMT
From: mdwatt@usit.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22648] Re: KPH, WCC et al
Message-ID: <33c2154c.55582260@smtp.usit.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Mon, 7 Jul 1997 10:36:47 -0500 (CDT), "Matt Wright, AE4JM"
<cnw@HiWAAY.net> wrote:

>Hey Peter and Gang,
>
>I have been listening to the discussion of KPH, WCC, etc. I got a =
little
>interested and thought that I'd like to do a little bit of shortwave
>listening one day and see if I could hear any of these stations =
mentioned.
>
>I was flipping around on the TV, nothing on good to watch, I think =
tennis
>was on-no other sports were on, and I was watching PBS. There was a
>program on there called Pole to Pole. There was a guy that did =
broadcasts
>of himself traveling from the North Pole to the South Pole and traveling
>everywhere between. =20

That guy, which you're probably too young to know about, is Michael
Palin, formerly of the comedy troupe "Monty Python's Flying Circus",
and a rather big star! The BBC produced his trip some years back --
he also has re-created "Around the World in 80 Days" on video as
well.

>Well, in order to get to the south pole safely there had to be a way to
>check for the weather in the Antarctic, none other than radio. So, I
>thought that was pretty neat, they were using what appeared to be =
amateur
>radios? or close in resemblance and I think that they were maybe using
>satellites and maybe a phone patch because the guide of the show made
>contact with his wife and told her what was up. So, what I'm wondering
>is what frequency this satellite operates on, what is the name of the
>satellite, what frequency the station in the Antarctic listens to, what
>are some good frequencies to listen to coast guards on hf, maritime =
mobile

>rescues and things like this. Now, how is this QRP?, I guess they're
>running QRP right?

Probably using commercial utility frequencies for world-wide news
gathering and dissemination (the BBC, Reuters, and others have
numerous HF frequencies).

>Here are some stations that I copied while listening from the upper side
>of the AM band, around 2 mhz, up to about 5 mhz. =20

>Frequ.	Call if any copied	comments
>4.213.00	WLO	CW and Data
>4.210.50	WNU	" " "
>4.146.00		USB, Two people talking back and forth, apparently having some sort =
>		of
>		problem.
>4.131.00		USB, station talking, couldn't make it out.
>		
>4.212.00	WLC	CW, Data
>4.212.50	FFT	CW, Data
>4.217.70	WLO	CW, Data
>4.440.00		AM, vr weak voice in back ground, steady long horn sound.
>		
>4.703.50		CW, sends constantly-
>18.160	W1AW	Odd, I heard the W1AW beacon on around 0150Z just ending TX, was =
>		the
>		DX bulletin I think
>		

>Here are some interesting things also:

>
>On 4.275.00 CW at 0137Z:
>VVV VVV VVV CQ CQ CQ DE HPP HPP HPP BT QRJ? QRJ? OBS QSW 500 KHZ 4.175 =
KHZ
>8.589 KHZ 12.699 KHZ AND RTY Channel? 1208 1233 All AM VR MSG is WIH?
>QST\AL

>
>This isn't all correct, noise level and static crashes were horrible.

>
>On 4.310.00 CW:
>CQ CQ CQ DE WNU41 WNU41 WNU41 QSW MHZ OBS?

>
>On 4.331.00 CW:
>CQ DE WCC WCC WCC QSW 46812 1622 MHZ K

>
>Does anyone have any info on any of the beacons, calls, or freq for any =
of

>the above or how I might listen to TX from Antarctica or from \MM
>stations?

These are all commercial message systems ...

Best bet from Antarctica is the military frequencies.

My dad has a card from the amateur station on Antarctica, but it's
several years old now.

I'd recommend a couple of good shortwave utility monitoring
frequency guides - like the one advertised in "Monitoring Times" or
"Popular Communications" - to find specific frequencies. The
schedules will be erratic!

Date: Mon, 7 Jul 1997 13:59:48 -0500
From: ac5am@juno.com (Robert L Stolzle)
To: qrp-1@Lehigh.EDU
Subject: [22649] FS: Argo 509 and Accessories
Message-ID: <19970707.140355.3526.1.ac5am@juno.com>

Hello All,

I am just getting back on the list after a few months on postpone.

Have to get rid of some of my gear (have 8 rigs, 4 QRP and 4 QRO type)

Will sell my best Argo 509 with matching PS and CW filters. This one
I bought from the original owner who does not smoke and kept this
rig in perfect condition. It is as close to mint as any Argo I have seen.
Have the original boxes for each piece plus the original manual. All
in very good condition. Asking \$425 and this includes shipping.

E-mail direct to: ac5am@juno.com

72/73,

Bob, AC5AM

Date: Mon, 07 Jul 1997 19:14:14 +0100
From: Brian Short <SHORTCKT@primenet.com>

To: azqrp@dancris.com
Cc: QRP-l@Lehigh.EDU
Subject: [22650] Log Book on WWW
Message-ID: <3.0.1.32.19970707191414.006ce6a4@mailhost.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For anyone curious, I put some of my log book on WWW
(there are just over 17k QS0s there), so if you are
curious, have a look at:
<http://www.qsl.net/k7on/logbook.txt>

Brian K. Short k7on@qsl.net QRP-L #1031 NC38s (602)839-3484
WIMPS: Qs=060 30m=60 17m=0 12m=0 States=28/00/00 DX=03/00/00

Date: Mon, 7 Jul 1997 16:24:16 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [22651] POWER SUPPLY
Message-ID: <970707162405_1690354081@emout05.mail.aol.com>

I am interested in building a power supply for my rig (xyl wants the car battery out) rather than buying one. I found plans in WIFB'S QRP NOTEBOOK. Has anyone built that particular one that can comment on its performance? Have a better one you might suggest. Using it for the EMTECH transceiver. (12.5-13 volts)

Thanks...Alan (KB7MBI)

Date: Mon, 7 Jul 1997 16:29:45 -0400 (EDT)
From: PDouglas12@aol.com
To: qrp-l@Lehigh.EDU
Subject: [22652] Re: the Weber SA/SA MK2
Message-ID: <970707162912_-2045149692@emout01.mail.aol.com>

Hey Gang,

For those of you who are usually asleep at the switch, and especially for those who missed this offering last year, this is your chance to own a real/functioning spectrum analyzer in your home lab. My Mark 1 can do things like SHOW you when the 38S is tuned right, and conversely when it is tuned to the wrong spur. The new improved version will be even better.

Note, Steve may be embarrassed by this, but I am in awe of his skills. Last year he single handedly designed, prototyped, created the pcb, kitted, and created a nearly flawless manual for the MK1 SA/SA. This guy can even write English correctly.

And it works with almost any scope, even my surplus OS-8 which you can buy from the surplus houses for about 30 bucks.

This is not a HP or TEK lab instrument, to be sure, but for the purposes we use it for--ie looking at transmitter output for cleanliness (with a proper attenuator of course) or finding where an oscillator is oscillating, or even looking at the MUF by connecting the SA to a wire antenna, this thing will do it. And for the superhet homebrewing crowd, this is most of what you will need to SEE a crystal filter's characteristic curves.

So, email Steve per his message posted today if you plan to be involved in this round. I do know several guys were very disappointed that they missed the boat on the MK1 last year.

72,

Preston WJ2V

Date: Mon, 7 Jul 1997 14:38:52 -0600 (MDT)
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-1@Lehigh.EDU
Subject: [22653] Spartan Sprint tonight 20m
Message-ID: <199707072038.0AA08946@ns-1.csn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Let's try 20m tonight, but you need to get below 14060 for my SST. 0100z-0300z.

72, Bob KI0G

Date: Mon, 07 Jul 1997 14:21:49 -0700
From: Ed Loranger <we6w@qsl.net>
To: bill@techline.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [22654] Re: Novice QRP Rig on 40 meters, are there any?
Message-ID: <33C15DEC.8C3@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And now we just need the bicycle mobile
SLV!

Spoke radials???

hee, hee

-Ed Loranger

--

72/73 de we6w, Ed Loranger CW ONLY!

WEB:<http://www.qsl.net> MAIL:<mailto:we6w@qsl.net>

HW-8, OHR-100, JV-II w/vfo, pixie2, Phased Verticals Southeast.

Date: Mon, 7 Jul 1997 14:48:15 -0700 (PDT)
From: "Allan G. Taylor" <ataylor@midas.llnl.gov>
To: qrp-1@Lehigh.EDU
Subject: [22655] Help found for EMTECH NW40
Message-ID: <199707072148.0AA26759@midas.llnl.gov>

I have found that the Bob Parks, K6AEC, was willing to look into the EMTECH NW40's troubles. Thanks to the others who volunteered to help.

Hopefully the NorCal40A, scheduled to ship in about a month, will be in running shape.

Thanks, gang

Grant K7GT k7gt@qsl.net

Date: Mon, 07 Jul 1997 14:51:07 -0700
From: "Earl S. Mead" <k6esmead@pacbell.net>
To: qrp-1@Lehigh.EDU
Cc: schultz@ns.net
Subject: [22656] Mars mission web sites
Message-ID: <33C164CB.626C@pacbell.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Excerpt from The Sacramento Bee, 7 Jul,97, quote from USA Today:
Jet Propulsion Laboratory's web site: <http://www.jpl.nasa.gov/marsnews>
Mars Pathfinder project: <http://www.jpl.nasa.gov/mpfmir>
Silicon Graphics Corp: <http://mpfwww.jpl.nasa.gov>
Have fun surfing.
72s, Earl, K6ESM

Date: Mon, 7 Jul 1997 15:31:22 -0600
From: Brad Mugleston <bmug@gw1.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [22657] Advance Training
Message-ID: <01BC8AEA.D3D58F20@pps-pc10.gw1.com>
Content-Type: text

Does anyone out there know where I can get some "free ware" training software for the new Advance license (I know its out there, I got one off an old QRZ CD ROM)? I have the book but I prefer taking the tests during lunch on my computer. I used this for my novice & tech tests and it worked great. I didn't have it for my General test and if it wouldn't have been for this group it would have been a lot harder test (missed 3 questions without any real studying, Thanks Guys and Gals for the education).

Looking at the Advance test there is a lot more to know so the pre tests would help.

thanks

End of QRP-L Digest 780

